



DSBN REGIONAL **SMALL POWERED EQUIPMENT SKILLS CHALLENGE 2021** SECONDARY LEVEL SCOPE

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PURPOSE OF THE CONTEST:

To service and repair four cycle and two cycle gasoline small engines.

EVENT DETAILS:

Date: Monday, March 1 - March 12, 2021

Time: 4 hour period

Location: Individual Schools

SKILLS AND KNOWLEDGE TO BE TESTED:

Competitors must be able to disassemble and re-assemble a 4-stroke OHV engine, and measure internal components (metric or imperial micrometer). Four stroke engine is an OHV Briggs and Stratton

SAFETY REQUIREMENTS and SUPERVISION

Teachers or another designate must supervise the student to ensure that safety is adhered to and to maintain the integrity of the competition. If supply teacher is required, It is preferable to have the supply teacher supervise your student for the Challenge and you can remain with your class, this might not be possible for challenges where safety is a concern.

EQUIPMENT, MATERIALS, TOOLS, AND SUPPLIES:

All Tools and Equipment must be Supplied by the Individual Contest Site

Materials Supplied Centrally:

Engine

Material Supplied by the Individual Site

- Safety Clothing
- Socket Set/complete
- Micrometer Metric/50-75mm/
- Vernier Calipers
- Ring Compressor
- Hammer
- General Pliers

CLOTHING REQUIREMENTS:

- Shop Appropriate clothing as outlined by the individual school's teacher.

JUDGING INSTRUCTION:

- Engines will be provided to the individual school before March 1
- Each contestant will be required to record themselves disassembling the engine, specking the engine, and reassembling the engine.
- Once the engine is completely disassembled students/teacher must take a picture as evidence to ensure that the engine was taken completely apart.
- Once the engine is together another picture will be taken to document that everything is put back together.
- A Google folder will be provided to each student to upload their completed work as evidence.

JUDGING CRITERIA:

Test (multiple choice)	46
Engine disassembly	10
Measurement	30
Assembly	35
Total	95 marks

ENTRY: Students must register online at <http://teched.dsbm.org/skills> with all of the required information completed to be eligible to participate.

TEACHER'S ROLE:

Instructors are expected to acquaint their student participants with all of the enclosed guidelines. Teachers may accompany their students or visit any time during the competition but may not assist the competitors during the challenge.